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Week Date 12/18/04
1FW (E)

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	<u>p. PTO-1449</u>
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

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- Text Continuity
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- Other Missing Text
- Illegible Text
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- Brief Description
- Sequence Listing
- Appendix
- Amendments
- Other

MESSAGE Improper Dependency: in the claim set dated 6/21/04, Claim 114 is dependent upon canceled Claim 86.

② PTD-1449: Please initial or line through citations on forms dated 1/20/04 and 1/23/04 (4 sheets). (copies provided for reference).

- a. Claim(s) Missing
- (b) Improper Dependency**
- c. Duplicate Numbers
- d. Incorrect Numbering
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- f. Punctuation
- g. Amendments
- h. Bracketing
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- k. Other

Thank You,
initials DLP

RESPONSE

initials

(malachite), $2\text{Co}(\text{CO}_3) \cdot 3\text{Co}(\text{OH})_2 \cdot \text{H}_2\text{O}$, $\text{Co}_{0.69}\text{Fe}_{0.34}(\text{CO}_3)_{0.2}(\text{OH})_2$, $\text{Na}_3[\text{Co}(\text{CO}_3)_3]3\text{H}_2\text{O}$, $\text{Zn}_2(\text{CO}_3)(\text{OH})_2$, $\text{Bi}_2\text{Mg}(\text{CO}_3)_2(\text{OH})_4$, $\text{Fe}(\text{CO}_3)_{0.12}(\text{OH})_{2.76}$, $\text{Cu}_{1.54}\text{Zn}_{0.46}(\text{CO}_3)(\text{OH})_2$, $\text{CO}_{0.49}\text{Cu}_{0.51}(\text{CO}_3)_{0.43}(\text{OH})_{1.1}$, $\text{Ti}_3\text{Bi}_4(\text{CO}_3)_2(\text{OH})_2\text{O}_9(\text{H}_2\text{O})_2$, and $(\text{BiO})_7\text{CO}_3$.

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112. (~~withdrawn~~) A gas generating composition as defined in claim 103, wherein the co-oxidizer is a basic metal nitrate selected from the group consisting of $\text{Cu}_2(\text{OH})_3\text{NO}_3$, $\text{Co}_2(\text{OH})_3\text{NO}_3$, $\text{CuCo}(\text{OH})_3\text{NO}_3$, $\text{Zn}_2(\text{OH})_3\text{NO}_3$, $\text{Mn}(\text{OH})_2\text{NO}_3$, $\text{Fe}_4(\text{OH})_{11}\text{NO}_3 \cdot 2\text{H}_2\text{O}$, $\text{Mo}(\text{NO}_3)_2\text{O}_2$, $\text{BiONO}_3 \cdot \text{H}_2\text{O}$, and $\text{Ce}(\text{OH})(\text{NO}_3)_3 \cdot 3\text{H}_2\text{O}$.

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113. (~~withdrawn~~) A gas generating composition as defined in claim 85, further comprising a carbon powder present from 0.1% to 6% by weight of the gas generating composition.

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114. (previously presented) A gas generating composition as defined in claim 86, wherein the complex is selected from the group consisting of metal nitrate amines.

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115. (previously presented) A gas generating composition as defined in claim 114, wherein the release agent comprises graphite, molybdenum sulfide, calcium stearate or boron nitride.

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116. (amended) A solid gas generating composition formulated for generating gas suitable for use in deploying an air bag or balloon from a supplemental restraint system, the solid gas generating composition ~~comprising~~ consisting essentially of:

a complex of a metal cation and a neutral ligand containing hydrogen and nitrogen and sufficient oxidizing anion to balance the charge of the metal cation, wherein the complex is

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

 Docket Number (Optional)
5818.1US (21494-US-09)

 Application Number
09/025,345
Applicant **Hinshaw et al.**Filing Date **F bruary 18, 1998**Group Art Unit **3641**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,429,691	07/04/1995	Hinshaw et al.			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Ablov, A.V., et al., "Thermal decomposition of cobalt(III) amines," Zhurnal Neorganicheskoi Khimii (1969), Chem. Abs. 72:85795 (SciFinder).
		Anthavale, P.D., et al., "Catalytic activity of copper(II) ammine complexes supported on silica gel in the decomposition of hydrogen peroxide," Indian Journal of Technology (1988), Chem. Abs., 111:121746 (SciFinder).
		Beck, M.T., et al., "Reactions of the coordinated nitrite ions of nitroamminecobalt(III) complexes," Magyar Kemiai Folyoirat (1970), Chem. Abs. 72:128235 (SciFinder).
		Bhatta, D., et al., "Annealing of chemical radiation damage in hexammino- and nitratopentamminocobaltic nitrates," Indian Journal of Chemistry, Section A: Inorganic, Physical, Theoretical & Analytical (1982), Chem. Abs. 98:63203 (SciFinder).
		Cotton, F. Albert, et al., Advanced Inorganic Chemistry, 5 th Ed., John Wiley & Sons, New York, 1988, p. 363.
		Do Ngoc Hue, et al., "Spectrophotometric determination of the stability constants of ammine-nitrite-cobalt(II) complexes, with consideration of the effect of dissolved oxygen," Zhurnal Obshchei Khimii (1988), Chem. Abs. 108:157228 (SciFinder).
		Fronczek, F. R., et al., "Reinvestigation of the crystal structure of decaammine μ -peroxodicobalt tetrathiocyanate," Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1974), Chem. Abs. 80:88249 (SciFinder).
		Hagel, R.B., et al., "The Triamines of Cobalt (III). I. Geometrical Isomers of Trinitrotriamminecobalt(III)," Inorganic Chemistry, Vol. 9, No. 6, June 1970, pp. 1496-1502.
		Jackson, W.G., "Oxygen scrambling in pentaamminenitritocobalt(III) revisited," Inorganica Chimica Acta (1988), Chem. Abs., 109:177477 (SciFinder).
		Kapanadze, T. Sh., et al., "Cobalt(III) sulfite mixed ligand complexes," Koordinatsionnaya Khimiya (1989), Chem. Abs., 111:89270 (SciFinder).
		King, Henry C.A., "Solubilities and enthalpies of solution of a series of pentammine complexes," Revista Latinoamericana de Quimica (1972), Chem. Abs. 76:158971 (SciFinder).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

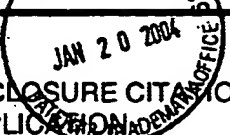
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GROUP 3600

Form PTO-1449				Docket Number (Optional) 5818.1US (21494-US-09)		Application Number 09/025,345	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION FOR PATENT (Use several sheets if necessary)				Applicant Hinshaw et al.			
				Filing Date February 18, 1998		Group Art Unit 3641	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>							
		King, H.J.S., "Researches on Chromamines, Part II, Hydroxopentamminochromic Salts and Electrical Conductivities of Chromamines," Hydroxopentamminochromic Salts, Etc., July 1925, pp. 2100-2109.					
		Klyuchnikov et al., "Conversion of Mononuclear Hydrazine Complexes of Platinum and Palladium into Bionuclear Complexes," Ukrainski i i Khimicheski i Zhurnal, Vol. 36, No. 687, 1970, pp. 687-689.					
		Klyuchnikov, N.G., et al., "Preparation of Some Hydrazine Compounds of Palladium," Russian Journal of Inorganic Chemistry, 13 (3), 1968, pp. 416-418.					
		Laing, M., "mer- and fac-[Co(NH ₃) ₃ (NO ₂) ₃]: Do They Exist?," Journal of Chemical Education, Vol. 62, No. 8, Aug. 1985, pp. 707-709					
		Marsh, R.E., et al., "Crystal structure of decammine-μ-peroxo-dicobalt pentanitrate," Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1968), Chem. Abs. 68:82052 (SciFinder).					
		Miskowski, V. M., et al., "Crystal structure and polarized electronic spectra of a (μ-superoxo)dicobalt(III) complex: [(NH ₃) ₅ Co ₂ O ₂](NO ₃) ₂ ·13H ₂ O," Inorganic Chemistry (1984), Chem. Abs. 100:59011 (SciFinder).					
		Mrozinski, J., "Thermal analysis of cobalt(III) peroxy complexes," Pol. Prace Naukowe Instytutu Chemii Nieorganicznej i Metalurgii Pierwiastkow Rzadkich Politechniki Wroclawskiej (1973), Chem Abs. 80:127685 (SciFinder).					
		Nomiya, K., et al., "Synthesis of cobalt(III) molybdoheteropolyanions using carbonato-ammine cobalt(III) complexes as starting materials," Polyhedron(1987), Chem. Abs. 107:189450 (SciFinder).					
		Pass, G., et al., Practical Inorganic Chemistry, Preparations, reactions and instrumental methods, 2 nd Ed., Chapter 6, Coordination chemistry I: typical compounds, Chapman and Hall, London, 1974, pp. 56-62.					
		Patil, K.C., et al., "Synthesis and Characterisation of Metal Hydrazine Nitrate, Azide and Perchlorate Complexes," Synth. React. Inorg. Met.-Org. Chem., 12(4), 1982, pp. 383-395.					
		Schmitz-DuMont, V.O., et al., "Hydroxokobalt(III)-amide," Z. anorg. allg. Chemie, Bd. 300, 1959, pp. 175-193.					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

Form PTO-1449		Docket Number (Optional) 5818.1US (21494-US-09)		Application Number 09/025,345	
INFORMATION DISCLOSURE CITE IN AN APPLICATION (Use several sheets if necessary)		Applicant Hinshaw et al.			
		Filing Date February 18, 1998		Group Art Unit 3641	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>					
		Shibata, M., et al., "Synthesis of Nitroammine- and Cyanoamminecobalt(III) Complexes with Potassium Tricarbonatocobaltate(III) as the Starting Material," Inorganic Chemistry, Vol. 3, No. 11, Nov. 1964, pp. 1573-1576.			
		Shibata, M., "Optically active cis-unidentate-dicarbonato, cis-cis-diunidentate-carbonato, and unidentate glycinate cobalt(III) complexes," Inorganic Syntheses (1985), Chem. Abs. 104:121865 (SciFinder).			
		Siebert, V.H., "Isomere des Trinitrotriammincobalt(III)," Z. anorg. Allg. Chem. 441 (1978), pp. 47-57.			
		Wiegardt, K., et al., " μ -Carboxylatodi- μ -Hydroxo-Bis[triamminecobalt(III)] Complexes," Inorganic Synthesis 23, 1985, pp. 107-116.			
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Application Number				09/025,345	
Filing Date				February 18, 1998	
First Named Inventor				Hinshaw et al.	
Group Art Unit				3641	
Examiner Name				E. Miller	
Attorney Docket Number				2507-5818 IUS (21494-IUS-09)	

[illegible]

Examiner Signature		Date Considered	
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